

No.	Score	Match	Length	DB	ID	Description
1	1998	100.0	359	1	US-07-914-281-14	Sequence 14, Appl
2	1998	100.0	359	1	US-08-393-246-14	Sequence 14, Appl
3	1998	100.0	359	1	US-08-525-058A-14	Sequence 14, Appl
4	1998	100.0	359	1	US-08-696-731-14	Sequence 14, Appl
5	1998	100.0	359	2	US-09-042-531-14	Sequence 14, Appl
6	1998	100.0	359	2	US-09-092-315-10	Sequence 10, Appl
7	1998	100.0	359	2	US-09-733-524A-10	Sequence 10, Appl
8	1998	100.0	359	2	US-10-189-977A-10	Sequence 10, Appl
9	1998	100.0	359	3	US-10-392-098A-10	Sequence 10, Appl
10	1998	100.0	359	3	US-10-120-319A-10	Sequence 10, Appl
11	1850.5	92.6	336	3	US-10-108-260A-4748	Sequence 4748, Ap
12	1734.5	86.8	374	1	US-07-914-281-11	Sequence 11, Appl
13	1734.5	86.8	374	1	US-08-393-246-11	Sequence 11, Appl
14	1734.5	86.8	374	1	US-08-525-058A-11	Sequence 11, Appl
15	1734.5	86.8	374	1	US-08-696-731-11	Sequence 11, Appl
16	1734.5	86.8	374	2	US-09-042-531-11	Sequence 11, Appl
17	1659	83.0	361	1	US-07-914-281-2	Sequence 2, Appli
18	1659	83.0	361	1	US-08-393-246-2	Sequence 2, Appli
19	1659	83.0	361	1	US-08-273-411-3	Sequence 3, Appli
20	1659	83.0	361	1	US-08-525-058A-2	Sequence 2, Appli
21	1659	83.0	361	1	US-08-696-731-2	Sequence 2, Appli
22	1659	83.0	361	2	US-09-042-531-2	Sequence 2, Appli
23	1659	83.0	361	2	US-09-390-131-6	Sequence 6, Appli
24	1659	83.0	361	5	PCT-US91-00899-7	Sequence 7, Appli
25	1473.5	73.7	299	5	PCT-US91-00899-6	Sequence 6, Appli
26	1358	68.0	365	2	US-09-092-315-9	Sequence 9, Appli
27	1358	68.0	365	2	US-09-390-131-7	Sequence 7, Appli
28	1358	68.0	365	3	US-10-392-098A-9	Sequence 9, Appli
29	1358	68.0	365	3	US-10-120-319A-9	Sequence 9, Appli
30	1349	67.5	365	2	US-09-733-524A-9	Sequence 9, Appli
31	1349	67.5	365	2	US-10-189-977A-9	Sequence 9, Appli
32	899.5	45.0	292	3	US-10-184-648-22	Sequence 22, Appl
33	789	39.5	336	3	US-10-764-212-67	Sequence 67, Appl
34	789	39.5	341	3	US-10-764-212-69	Sequence 69, Appl
35	779	39.0	502	2	US-10-080-960-16	Sequence 16, Appl
36	779	39.0	502	3	US-10-184-648-23	Sequence 23, Appl
37	731	36.6	393	2	US-09-390-131-8	Sequence 8, Appli
38	729.5	36.5	356	2	US-09-092-315-12	Sequence 12, Appl
39	729.5	36.5	356	3	US-10-392-098A-12	Sequence 12, Appl
40	729.5	36.5	356	3	US-10-120-319A-12	Sequence 12, Appl
41	709	35.5	355	2	US-09-733-524A-12	Sequence 12, Appl
42	709	35.5	355	2	US-10-189-977A-12	Sequence 12, Appl
43	708	35.4	342	1	US-08-483-151-2	Sequence 2, Appli
44	708	35.4	393	2	US-09-784-077-2	Sequence 2, Appli
45	701	35.1	405	1	US-07-914-281-8	Sequence 8, Appli

ALIGNMENTS

RESULT 1

US-07-914-281-14

; Sequence 14, Application US/07914281

; Patent No. 5324663

; GENERAL INFORMATION:

; APPLICANT: LOWE, JOHN B.

; TITLE OF INVENTION: METHODS AND PRODUCTS FOR THE SYNTHESIS

; TITLE OF INVENTION: OF OLIGOSACCHARIDE STRUCTURES ON GLYCOPROTEINS,

; TITLE OF INVENTION: GLYCOLIPIDS, OR AS FREE MOLECULES, AND FOR THE ISOLATION

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;   TITLE OF INVENTION:  OF CLONED GENETIC SEQUENCES THAT DETERMINE THESE STRUCTU
;   NUMBER OF SEQUENCES:  14
;   CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT,
;       ADDRESSEE:  P.C.
;       STREET:  1755 Jefferson Davis Highway, Fourth Floor
;       CITY:  Arlington
;       STATE:  Virginia
;       COUNTRY:  U.S.A.
;       ZIP:  22202
;   COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.25
;   CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/07/914,281
;       FILING DATE:  19920720
;       CLASSIFICATION:  530
;   ATTORNEY/AGENT INFORMATION:
;       NAME:  Lavalleye, Jean-Paul M. P.
;       REGISTRATION NUMBER:  31,451
;       REFERENCE/DOCKET NUMBER:  2363-060-55
;   TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (703)521-4500
;       TELEFAX:  (703)486-2347
;       TELEX:  248855 OPAT UR
;   INFORMATION FOR SEQ ID NO:  14:
;       SEQUENCE CHARACTERISTICS:
;           LENGTH:  359 amino acids
;           TYPE:  AMINO ACID
;           TOPOLOGY:  unknown
;       MOLECULE TYPE:  protein
US-07-914-281-14

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Query Match          100.0%;  Score 1998;  DB 1;  Length 359;
Best Local Similarity 100.0%;  Pred. No. 5.1e-194;
Matches 359;  Conservative  0;  Mismatches  0;  Indels  0;  Gaps  0;

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Db 301 LARYLQELDKDHARYLSYFRWRETLRPRSFSWALAFCKACWKLQEESRYQTRGIAAWFT 359

RESULT 2

US-08-393-246-14

; Sequence 14, Application US/08393246

; Patent No. 5595900

; GENERAL INFORMATION:

; APPLICANT: LOWE, JOHN B.

; TITLE OF INVENTION: METHODS AND PRODUCTS FOR THE SYNTHESIS

; TITLE OF INVENTION: OF OLIGOSACCHARIDE STRUCTURES ON GLYCOPROTEINS,

; TITLE OF INVENTION: GLYCOLIPIDS, OR AS FREE MOLECULES, AND FOR THE ISOLATION

; TITLE OF INVENTION: OF CLONED GENETIC SEQUENCES THAT DETERMINE THESE STRUCTU

; NUMBER OF SEQUENCES: 14

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,

; ADDRESSEE: P.C.

; STREET: 1755 Jefferson Davis Highway, Fourth Floor

; CITY: Arlington

; STATE: Virginia

; COUNTRY: U.S.A.

; ZIP: 22202

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/393,246

; FILING DATE:

; CLASSIFICATION: 530

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/220,433

; FILING DATE: 30-MAR-1994

; APPLICATION NUMBER: US 07/914,281

; FILING DATE: 20-JUL-1992

; ATTORNEY/AGENT INFORMATION:

; NAME: Lavalleye, Jean-Paul M. P.

; REGISTRATION NUMBER: 31,451

; REFERENCE/DOCKET NUMBER: 2363-060-55

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (703)521-4500

; TELEFAX: (703)486-2347

; TELEX: 248855 OPAT UR

; INFORMATION FOR SEQ ID NO: 14:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 359 amino acids

; TYPE: amino acid

; TOPOLOGY: unknown

; MOLECULE TYPE: protein

US-08-393-246-14

Query Match 100.0%; Score 1998; DB 1; Length 359;

Best Local Similarity 100.0%; Pred. No. 5.1e-194;

Matches 359; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 MDPLGPAKPQWSWRCCLTTLLFQLLMAVCFFSYLRVSQDDPTVYPNGSRFPDSTGTPAHS 60

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Db      121 PRSPRRQGQRWIWFSMESPSHCWQLKAMDGYFNLTMSYRSDSDIFTPYGWLEPWSGQPAH 180
Qy      181 PPLNLSAKTELVAWAVSNWGPNSARVRYQSLQAHCLKVDVYGRSHKPLPQGTMMETLSRY 240
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Db      301 LARYLQELDKDHARYLSYFRWRETLRPRSFSWALAFCKACWKLQEESRYQTRGIAAWFT 359

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RESULT 3

US-08-525-058A-14

; Sequence 14, Application US/08525058A

; Patent No. 5770420

; GENERAL INFORMATION:

; APPLICANT: LOWE, JOHN B.

; TITLE OF INVENTION: METHODS AND PRODUCTS FOR THE SYNTHESIS

; TITLE OF INVENTION: OF OLIGOSACCHARIDE STRUCTURES ON GLYCOPROTEINS,

; TITLE OF INVENTION: GLYCOLIPIDS, OR AS FREE MOLECULES, AND FOR THE ISOLATION

; TITLE OF INVENTION: OF CLONED GENETIC SEQUENCES THAT DETERMINE THESE STRUCTURES

; NUMBER OF SEQUENCES: 23

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.

; STREET: 1755 Jefferson Davis Highway, Fourth Floor

; CITY: Arlington

; STATE: Virginia

; COUNTRY: U.S.A.

; ZIP: 22202

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/525,058A

; FILING DATE:

; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:

; NAME: Lavalleye, Jean-Paul M. P.

; REGISTRATION NUMBER: 31,451

; REFERENCE/DOCKET NUMBER: 2363-060-55

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (703)521-4500

; TELEFAX: (703)486-2347

; TELEX: 248855 OPAT UR

; INFORMATION FOR SEQ ID NO: 14:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 359 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-08-525-058A-14

Query Match 100.0%; Score 1998; DB 1; Length 359;
 Best Local Similarity 100.0%; Pred. No. 5.1e-194;
 Matches 359; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db      1 MDPLGPAKPQWSWRCCLTTLLFQLLMAVCFFSYLRVSQDDPTVYPNGSRFPDSTGTPAHS 60

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Db     61 IPLILLWTWPFNKPIALPRCSEMVPGTADCNITADRKVYPQADAVIVHHREVMYNPSAQL 120

Qy    121 PRSPRRQGQRWIWFSMESPSHCWQLKAMDGYFNLTMSYRSDSDIFTPYGWLEPWSGQPAH 180
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Db    121 PRSPRRQGQRWIWFSMESPSHCWQLKAMDGYFNLTMSYRSDSDIFTPYGWLEPWSGQPAH 180

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RESULT 4

US-08-696-731-14

; Sequence 14, Application US/08696731

; Patent No. 5955347

; GENERAL INFORMATION:

; APPLICANT: LOWE, JOHN B.

; TITLE OF INVENTION: METHODS AND PRODUCTS FOR THE SYNTHESIS

; TITLE OF INVENTION: OF OLIGOSACCHARIDE STRUCTURES ON GLYCOPROTEINS,

; TITLE OF INVENTION: GLYCOLIPIDS, OR AS FREE MOLECULES, AND FOR THE ISOLATION

; TITLE OF INVENTION: OF CLONED GENETIC SEQUENCES THAT DETERMINE THESE STRUCTU

; NUMBER OF SEQUENCES: 14

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT,

; ADDRESSEE: P.C.

; STREET: 1755 Jefferson Davis Highway, Fourth Floor

; CITY: Arlington

; STATE: Virginia

; COUNTRY: U.S.A.

; ZIP: 22202

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/696,731

; FILING DATE: 14-AUG-1996

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/393,246

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; FILING DATE:
; APPLICATION NUMBER: US 08/220,433
; FILING DATE: 30-MAR-1994
; APPLICATION NUMBER: US 07/914,281
; FILING DATE: 20-JUL-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Lavalleye, Jean-Paul M. P.
; REGISTRATION NUMBER: 31,451
; REFERENCE/DOCKET NUMBER: 2363-060-55
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703)521-4500
; TELEFAX: (703)486-2347
; TELEX: 248855 OPAT UR
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 359 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
US-08-696-731-14

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Query Match          100.0%; Score 1998; DB 1; Length 359;
Best Local Similarity 100.0%; Pred. No. 5.1e-194;
Matches 359; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db    121 PRSPRRQGQRWIWFSMESPSHCWQLKAMDGYFNLTMSYRSDSDIFTPTYGWLEPWSGQPAH 180

Qy    181 PPLNLSAKTELVAWAVSNWGPNSARVRYQSLQAHLKVDVYGRSHKPLPQGTMMETLSRY 240
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Qy    241 KFYLAFENSLHPDYITEKLWRNALEAWAVPVVLGPSRSNYERFLPPDAFIHVDDFQSPKD 300
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RESULT 5

US-09-042-531-14

; Sequence 14, Application US/09042531

; Patent No. 6268193

; GENERAL INFORMATION:

; APPLICANT: LOWE, JOHN B.

; TITLE OF INVENTION: METHODS AND PRODUCTS FOR THE SYNTHESIS

; TITLE OF INVENTION: OF OLIGOSACCHARIDE STRUCTURES ON GLYCOPROTEINS,

; TITLE OF INVENTION: GLYCOLIPIDS, OR AS FREE MOLECULES, AND FOR THE ISOLATION

; TITLE OF INVENTION: OF CLONED GENETIC SEQUENCES THAT DETERMINE THESE STRUCTU

; NUMBER OF SEQUENCES: 14

```

;   CORRESPONDENCE ADDRESS:
;   ADDRESSEE:  OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT,
;   ADDRESSEE:  P.C.
;   STREET:    1755 Jefferson Davis Highway, Fourth Floor
;   CITY:      Arlington
;   STATE:     Virginia
;   COUNTRY:   U.S.A.
;   ZIP:       22202
;   COMPUTER READABLE FORM:
;   MEDIUM TYPE:  Floppy disk
;   COMPUTER:    IBM PC compatible
;   OPERATING SYSTEM:  PC-DOS/MS-DOS
;   SOFTWARE:    PatentIn Release #1.0, Version #1.25
;   CURRENT APPLICATION DATA:
;   APPLICATION NUMBER:  US/09/042,531
;   FILING DATE:
;   CLASSIFICATION:
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER:  US/08/393,246
;   FILING DATE:
;   APPLICATION NUMBER:  US 08/220,433
;   FILING DATE:  30-MAR-1994
;   APPLICATION NUMBER:  US 07/914,281
;   FILING DATE:  20-JUL-1992
;   ATTORNEY/AGENT INFORMATION:
;   NAME:  Lavalleye, Jean-Paul M. P.
;   REGISTRATION NUMBER:  31,451
;   REFERENCE/DOCKET NUMBER:  2363-060-55
;   TELECOMMUNICATION INFORMATION:
;   TELEPHONE:  (703)521-4500
;   TELEFAX:   (703)486-2347
;   TELEX:     248855 OPAT UR
;   INFORMATION FOR SEQ ID NO:  14:
;   SEQUENCE CHARACTERISTICS:
;   LENGTH:  359 amino acids
;   TYPE:    amino acid
;   TOPOLOGY:  unknown
;   MOLECULE TYPE:  protein
US-09-042-531-14

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Query Match          100.0%;  Score 1998;  DB 2;  Length 359;
Best Local Similarity 100.0%;  Pred. No. 5.1e-194;
Matches 359;  Conservative 0;  Mismatches 0;  Indels 0;  Gaps 0;

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Qy      1 MDPLGPAKPQWSWRCCLTTLFQLLMAVCFFSYLRVSQDDPTVYPNGSRFPDSTGTPAHS 60
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Qy     61 IPLILLWTWPFNKPIALPRCSEMVPGTADCNITADRKVYPQADAVIVHHREVMYNPSAQL 120
        |||
Db     61 IPLILLWTWPFNKPIALPRCSEMVPGTADCNITADRKVYPQADAVIVHHREVMYNPSAQL 120

Qy    121 PRSPRRQGQRWIWFSMESPSHCWQLKAMDGYFNLTMSYRSDSDIFTPTYGWLEPWSGQPAH 180
        |||
Db    121 PRSPRRQGQRWIWFSMESPSHCWQLKAMDGYFNLTMSYRSDSDIFTPTYGWLEPWSGQPAH 180

Qy    181 PPLNLSAKTELVAWAVSNWGPNSARVRYQSLQAHLKVDVYGRSHKPLPQGTMMETLSRY 240
        |||
Db    181 PPLNLSAKTELVAWAVSNWGPNSARVRYQSLQAHLKVDVYGRSHKPLPQGTMMETLSRY 240

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Db      241 KFYLA FENSLHPDYITEKLWRNALEAWAVPVVLGPSRSNYERFLPPDAFIHVDDFQSPKD 300

Qy      301 LARYLQELDKDHARYLSYFRWRETLRPRSFSWALAFCKACWKLQEESRYQTRGIAAWFT 359
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Db      301 LARYLQELDKDHARYLSYFRWRETLRPRSFSWALAFCKACWKLQEESRYQTRGIAAWFT 359
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RESULT 6

US-09-092-315-10

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; Sequence 10, Application US/09092315
; Patent No. 6399337
; GENERAL INFORMATION:
; APPLICANT: Taylor, Diane E.
; APPLICANT: Ge, Zhongming
; TITLE OF INVENTION: ALPHA-1, 3-FUCOSYLTRANSFERASE
; FILE REFERENCE: 07254/049001
; CURRENT APPLICATION NUMBER: US/09/092,315
; CURRENT FILING DATE: 1998-06-05
; EARLIER APPLICATION NUMBER: US 60/048,857
; EARLIER FILING DATE: 1997-06-06
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 10
; LENGTH: 359
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-092-315-10
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Query Match          100.0%;  Score 1998;  DB 2;  Length 359;
Best Local Similarity 100.0%;  Pred. No. 5.1e-194;
Matches 359;  Conservative 0;  Mismatches 0;  Indels 0;  Gaps 0;
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Qy      1 MDPLGPAKPQWSWRCCLTTLLFQLLMAVCFFSYLRVSQDDPTVYPNGSRFPDSTGTPAHS 60
|||||
Db      1 MDPLGPAKPQWSWRCCLTTLLFQLLMAVCFFSYLRVSQDDPTVYPNGSRFPDSTGTPAHS 60

Qy      61 IPLILLWTWPFNKPIALPRCSEMPGTADCNITADRKVYPQADAVIVHHREVMYNPSAQL 120
|||||
Db      61 IPLILLWTWPFNKPIALPRCSEMPGTADCNITADRKVYPQADAVIVHHREVMYNPSAQL 120

Qy      121 PRSPRRQGQRWIWFSMESPSHCWQLKAMDGYFNLTMSYRSDSDIFTYPGWLEPWSGQPAH 180
|||||
Db      121 PRSPRRQGQRWIWFSMESPSHCWQLKAMDGYFNLTMSYRSDSDIFTYPGWLEPWSGQPAH 180

Qy      181 PPLNLSAKTELVAWAVSNWGPNSARVRYQSLQAHLKVDVYGRSHKPLPQGTMMETLSRY 240
|||||
Db      181 PPLNLSAKTELVAWAVSNWGPNSARVRYQSLQAHLKVDVYGRSHKPLPQGTMMETLSRY 240

Qy      241 KFYLA FENSLHPDYITEKLWRNALEAWAVPVVLGPSRSNYERFLPPDAFIHVDDFQSPKD 300
|||||
Db      241 KFYLA FENSLHPDYITEKLWRNALEAWAVPVVLGPSRSNYERFLPPDAFIHVDDFQSPKD 300

Qy      301 LARYLQELDKDHARYLSYFRWRETLRPRSFSWALAFCKACWKLQEESRYQTRGIAAWFT 359
|||||
Db      301 LARYLQELDKDHARYLSYFRWRETLRPRSFSWALAFCKACWKLQEESRYQTRGIAAWFT 359
```

RESULT 7

US-09-733-524A-10

; Sequence 10, Application US/09733524A

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; Patent No. 6534298
; GENERAL INFORMATION:
; APPLICANT: Taylor, Diane E.
; APPLICANT: Ge, Zhongming
; TITLE OF INVENTION: NUCLEIC ACIDS ENCODING ALPHA-1,3
; TITLE OF INVENTION: FUCOSYLTRANSFERASES AND EXPRESSION SYSTEMS FOR MAKING AND
; TITLE OF INVENTION: EXPRESSING THEM (amended)
; FILE REFERENCE: 07254-049002
; CURRENT APPLICATION NUMBER: US/09/733,524A
; CURRENT FILING DATE: 2000-12-07
; PRIOR APPLICATION NUMBER: US 09/092,315
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: US 60/048,857
; PRIOR FILING DATE: 1997-06-06
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 10
; LENGTH: 359
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-733-524A-10
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Query Match          100.0%; Score 1998; DB 2; Length 359;
Best Local Similarity 100.0%; Pred. No. 5.1e-194;
Matches 359; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy      1 MDPLGPAKPQWSWRCCLTTLLFQLLMAVCCFFSYLRVSQDDPTVYPNGSRFPDSTGTPAHS 60
|
Db      1 MDPLGPAKPQWSWRCCLTTLLFQLLMAVCCFFSYLRVSQDDPTVYPNGSRFPDSTGTPAHS 60

Qy     61 IPLILLWTWPFNKPIALPRCSEMVPGTADCNITADRKVYPQADAVIVHHREVMYNPSAQL 120
|
Db     61 IPLILLWTWPFNKPIALPRCSEMVPGTADCNITADRKVYPQADAVIVHHREVMYNPSAQL 120

Qy    121 PRSPRRQGQRWIWFSMESPSHCWQLKAMDGYFNLTMSYRSDSDIFTPTYGWLEPWSGQPAH 180
|
Db    121 PRSPRRQGQRWIWFSMESPSHCWQLKAMDGYFNLTMSYRSDSDIFTPTYGWLEPWSGQPAH 180

Qy    181 PPLNLSAKTELVAWAVSNWGPNSARVRYQSLQAHLKVDVYGRSHKPLPQGTMMETLSRY 240
|
Db    181 PPLNLSAKTELVAWAVSNWGPNSARVRYQSLQAHLKVDVYGRSHKPLPQGTMMETLSRY 240

Qy    241 KFYLAFENSLHPDYITEKLWRNALEAWAVPVVLGPSRSNYERFLPPDAFIHVDDFQSPKD 300
|
Db    241 KFYLAFENSLHPDYITEKLWRNALEAWAVPVVLGPSRSNYERFLPPDAFIHVDDFQSPKD 300

Qy    301 LARYLQELDKDHARYLSYFRWRETLRPRSFWSALAFCKACWKLQEESRYQTRGIAAWFT 359
|
Db    301 LARYLQELDKDHARYLSYFRWRETLRPRSFWSALAFCKACWKLQEESRYQTRGIAAWFT 359
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RESULT 8

US-10-189-977A-10

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; Sequence 10, Application US/10189977A
; Patent No. 6962806
; GENERAL INFORMATION:
; APPLICANT: Taylor, Diane E.
; APPLICANT: Ge, Zhongming
; TITLE OF INVENTION: NUCLEIC ACIDS ENCODING ALPHA-1,3
; TITLE OF INVENTION: FUCOSYLTRANSFERASES AND EXPRESSION SYSTEMS FOR MAKING AND
; TITLE OF INVENTION: EXPRESSING THEM (amended)
```

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; FILE REFERENCE: 07254-049002
; CURRENT APPLICATION NUMBER: US/10/189,977A
; CURRENT FILING DATE: 2002-03-07
; PRIOR APPLICATION NUMBER: US/09/733,524
; PRIOR FILING DATE: 2000-12-07
; PRIOR APPLICATION NUMBER: US 09/092,315
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: US 60/048,857
; PRIOR FILING DATE: 1997-06-06
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 10
; LENGTH: 359
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-189-977A-10
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Query Match          100.0%; Score 1998; DB 2; Length 359;
Best Local Similarity 100.0%; Pred. No. 5.1e-194;
Matches 359; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy      1 MDPLGPAKPQSWRCCLTTLLFQLLMAVCFFSYLRVSQDDPTVYPNGSRFPDSTGTPAHS 60
        |||
Db      1 MDPLGPAKPQSWRCCLTTLLFQLLMAVCFFSYLRVSQDDPTVYPNGSRFPDSTGTPAHS 60

Qy     61 IPLILLWTWPFNKPIALPRCSEMVPGTADCNITADRKVYPQADAVIVHHREVMYNPSAQL 120
        |||
Db     61 IPLILLWTWPFNKPIALPRCSEMVPGTADCNITADRKVYPQADAVIVHHREVMYNPSAQL 120

Qy    121 PRSPRRQGQRWIWFSMESPSHCWQLKAMDGYFNLTMSYRSDSDIFTPYGWLEPWSGQPAH 180
        |||
Db    121 PRSPRRQGQRWIWFSMESPSHCWQLKAMDGYFNLTMSYRSDSDIFTPYGWLEPWSGQPAH 180

Qy    181 PPLNLSAKTELVAWAVSNWGPNSARVRYQSLQAHLKVDVYGRSHKPLPQGTMMETLSRY 240
        |||
Db    181 PPLNLSAKTELVAWAVSNWGPNSARVRYQSLQAHLKVDVYGRSHKPLPQGTMMETLSRY 240

Qy    241 KFYLAFENSLHPDYITEKLWRNALEAWAVPVVLGPSRSNYERFLPPDAFIHVDDFQSPKD 300
        |||
Db    241 KFYLAFENSLHPDYITEKLWRNALEAWAVPVVLGPSRSNYERFLPPDAFIHVDDFQSPKD 300

Qy    301 LARYLQELDKDHARYLSYFRWRETLRPRSFSWALAFCKACWKLQEESRYQTRGIAAWFT 359
        |||
Db    301 LARYLQELDKDHARYLSYFRWRETLRPRSFSWALAFCKACWKLQEESRYQTRGIAAWFT 359
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RESULT 9

US-10-392-098A-10

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; Sequence 10, Application US/10392098A
; Patent No. 7029891
; GENERAL INFORMATION:
; APPLICANT: Taylor, Diane E.
; APPLICANT: Ge, Zhongming
; APPLICANT: University of Alberta
; TITLE OF INVENTION: Alpha-1,3 Fucosyltransferase
; FILE REFERENCE: 017398-000420US
; CURRENT APPLICATION NUMBER: US/10/392,098A
; CURRENT FILING DATE: 2003-03-17
; PRIOR APPLICATION NUMBER: US/10/120,319
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: US 60/048,857
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; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: US 09/092,315
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: US 09/733,524
; PRIOR FILING DATE: 2000-12-07
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 10
;   LENGTH: 359
;   TYPE: PRT
;   ORGANISM: Homo sapiens
;   FEATURE:
;   OTHER INFORMATION: human alpha-1,3-fucosyltransferase fucT VI
;   OTHER INFORMATION: (HFucT6)
US-10-392-098A-10

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Query Match          100.0%;   Score 1998;   DB 3;   Length 359;
Best Local Similarity 100.0%;   Pred. No. 5.1e-194;
Matches 359;   Conservative 0;   Mismatches 0;   Indels 0;   Gaps 0;

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Qy      1 MDPLGPAKPQWSWRCCLTTLLFQLLMAVCFFSYLRVSQDDPTVYPNGSRFPDSTGTPAHS 60
      ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1 MDPLGPAKPQWSWRCCLTTLLFQLLMAVCFFSYLRVSQDDPTVYPNGSRFPDSTGTPAHS 60

Qy     61 IPLILLWTWPFNKPIALPRCSEMVPGTADCNITADRKVYPQADAVIVHHREVMYNPSAQL 120
      ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     61 IPLILLWTWPFNKPIALPRCSEMVPGTADCNITADRKVYPQADAVIVHHREVMYNPSAQL 120

Qy    121 PRSPRRQGQRWIWFSMESPSHCWQLKAMDGYFNLTMSYRSDSDIFTPTYGWLEPWSGQPAH 180
      ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    121 PRSPRRQGQRWIWFSMESPSHCWQLKAMDGYFNLTMSYRSDSDIFTPTYGWLEPWSGQPAH 180

Qy    181 PPLNLSAKTELVAWAVSNWGPNSARVRYYSLSQAHLKVDVYGRSHKPLPQGTMMETLSRY 240
      ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    181 PPLNLSAKTELVAWAVSNWGPNSARVRYYSLSQAHLKVDVYGRSHKPLPQGTMMETLSRY 240

Qy    241 KFYLAFENS LHPDYITEKLWRNALEAWAVPVVLGPSRSNYERFLPPDAFIHVDDFQSPKD 300
      ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    241 KFYLAFENS LHPDYITEKLWRNALEAWAVPVVLGPSRSNYERFLPPDAFIHVDDFQSPKD 300

Qy    301 LARYLQELDKDHARYLSYFRWRETLRPRSFSWALAFCKACWKLQEESRYQTRGIAAWFT 359
      ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    301 LARYLQELDKDHARYLSYFRWRETLRPRSFSWALAFCKACWKLQEESRYQTRGIAAWFT 359

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RESULT 10

US-10-120-319A-10

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; Sequence 10, Application US/10120319A
; Patent No. 7166449
; GENERAL INFORMATION:
; APPLICANT: Taylor, Diane E.
; APPLICANT: Ge, Zhongming
; APPLICANT: University of Alberta
; TITLE OF INVENTION: Alpha-1,3 Fucosyltransferase
; FILE REFERENCE: 017398-000420US
; CURRENT APPLICATION NUMBER: US/10/120,319A
; CURRENT FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: US 60/048,857
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: US 09/092,315
; PRIOR FILING DATE: 1998-06-05

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; PRIOR APPLICATION NUMBER: US 09/733,524
; PRIOR FILING DATE: 2000-12-07
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 10
; LENGTH: 359
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: human alpha-1,3-fucosyltransferase fucT VI
; OTHER INFORMATION: (HFucT6)
US-10-120-319A-10
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Query Match          100.0%;  Score 1998;  DB 3;  Length 359;
Best Local Similarity 100.0%;  Pred. No. 5.1e-194;
Matches 359;  Conservative 0;  Mismatches 0;  Indels 0;  Gaps 0;
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Qy      1 MDPLGPAKPQWSWRCCLTTLLFQLLMAVCFSSYLRSVQDDPTVYPNGSRFPDSTGTPAHS 60
      |||
Db      1 MDPLGPAKPQWSWRCCLTTLLFQLLMAVCFSSYLRSVQDDPTVYPNGSRFPDSTGTPAHS 60

Qy     61 IPLILLWTWPFNKPIALPRCSEMVPGTADCNITADRKVYPQADAVIVHHREVMYNPSAQL 120
      |||
Db     61 IPLILLWTWPFNKPIALPRCSEMVPGTADCNITADRKVYPQADAVIVHHREVMYNPSAQL 120

Qy    121 PRSPRRQGQRWIWFSMESPSHCWQLKAMDGYFNLTMSYRSDSDIFTPTYGWLEPWSGQPAH 180
      |||
Db    121 PRSPRRQGQRWIWFSMESPSHCWQLKAMDGYFNLTMSYRSDSDIFTPTYGWLEPWSGQPAH 180

Qy    181 PPLNLSAKTELVAWAVSNWGPNSARVRYQSLQAHCLKVDVYGRSHKPLPQGTMMETLSRY 240
      |||
Db    181 PPLNLSAKTELVAWAVSNWGPNSARVRYQSLQAHCLKVDVYGRSHKPLPQGTMMETLSRY 240

Qy    241 KFYLAFENSLHPDYITEKLWRNALEAWAVPVVLGPSRSNYERFLPPDAFIHVDDFQSPKD 300
      |||
Db    241 KFYLAFENSLHPDYITEKLWRNALEAWAVPVVLGPSRSNYERFLPPDAFIHVDDFQSPKD 300

Qy    301 LARYLQELDKDHARYLSYFRWRETLRPRSFSWALAFCKACWKLQEESRYQTRGIAAWFT 359
      |||
Db    301 LARYLQELDKDHARYLSYFRWRETLRPRSFSWALAFCKACWKLQEESRYQTRGIAAWFT 359
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RESULT 11

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US-10-108-260A-4748
; Sequence 4748, Application US/10108260A
; Patent No. 7193069
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. 7193069el full length cDNA
; FILE REFERENCE: H1-A0106
; CURRENT APPLICATION NUMBER: US/10/108,260A
; CURRENT FILING DATE: 2002-03-27
; NUMBER OF SEQ ID NOS: 5458
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4748
; LENGTH: 336
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-108-260A-4748
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Query Match          92.6%;  Score 1850.5;  DB 3;  Length 336;
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Best Local Similarity 93.3%; Pred. No. 4.4e-179;
Matches 335; Conservative 1; Mismatches 0; Indels 23; Gaps 1;

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Qy      1 MDPLGPAKPQWSWRCCLTTLLFQLLMAVCFFSYLRVSQDDPTVYPNGSRFPDSTGTPAHS 60
        |||
Db      1 MDPLGPAKPQWSWRCCLTTLLFQLLMAVCFFSYLRVSQDDPTVYPNGSRFPDSTGTPAHS 60

Qy     61 IPLILLWTWPFNKPIALPRCSEMVPGTADCNITADRKVYPQADAVIVHHREVMYNPSAQL 120
        |||
Db     61 IPLILLWTWPFNKPIALPRCSE-----IVHHREVMYNPSAQL 97

Qy    121 PRSPRRQGQRWIWFSMESPSHCWQLKAMDGYFNLTMSYRSDSDIFTPTYGWLEPWSGQPAH 180
        |||:|||||
Db     98 PRSPRRRGQRWIWFSMESPSHCWQLKAMDGYFNLTMSYRSDSDIFTPTYGWLEPWSGQPAH 157

Qy    181 PPLNLSAKTELVAWAVSNWGPNSARVRYQSLQAHLKVDVYGRSHKPLPQGTMMETLSRY 240
        |||
Db    158 PPLNLSAKTELVAWAVSNWGPNSARVRYQSLQAHLKVDVYGRSHKPLPQGTMMETLSRY 217

Qy    241 KFYLAFENSLHPDYITEKLWRNALEAWAVPVVLGPSRSNYERFLPPDAFIHVDDFQSPKD 300
        |||
Db    218 KFYLAFENSLHPDYITEKLWRNALEAWAVPVVLGPSRSNYERFLPPDAFIHVDDFQSPKD 277

Qy    301 LARYLQELDKDHARYLSYFRWRETLRPRSFWSALAFCKACWKLQEESRYQTRGIAAWFT 359
        |||
Db    278 LARYLQELDKDHARYLSYFRWRETLRPRSFWSALAFCKACWKLQEESRYQTRGIAAWFT 336

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RESULT 12

US-07-914-281-11

; Sequence 11, Application US/07914281

; Patent No. 5324663

; GENERAL INFORMATION:

; APPLICANT: LOWE, JOHN B.

; TITLE OF INVENTION: METHODS AND PRODUCTS FOR THE SYNTHESIS

; TITLE OF INVENTION: OF OLIGOSACCHARIDE STRUCTURES ON GLYCOPROTEINS,

; TITLE OF INVENTION: GLYCOLIPIDS, OR AS FREE MOLECULES, AND FOR THE ISOLATION

; TITLE OF INVENTION: OF CLONED GENETIC SEQUENCES THAT DETERMINE THESE STRUCTU

; NUMBER OF SEQUENCES: 14

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT,

; ADDRESSEE: P.C.

; STREET: 1755 Jefferson Davis Highway, Fourth Floor

; CITY: Arlington

; STATE: Virginia

; COUNTRY: U.S.A.

; ZIP: 22202

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/07/914,281

; FILING DATE: 19920720

; CLASSIFICATION: 530

; ATTORNEY/AGENT INFORMATION:

; NAME: Lavalleye, Jean-Paul M. P.

; REGISTRATION NUMBER: 31,451

; REFERENCE/DOCKET NUMBER: 2363-060-55

; TELECOMMUNICATION INFORMATION:

```
; TELEPHONE: (703)521-4500
; TELEFAX: (703)486-2347
; TELEX: 248855 OPAT UR
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 374 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
US-07-914-281-11
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Query Match          86.8%; Score 1734.5; DB 1; Length 374;
Best Local Similarity 85.6%; Pred. No. 3.1e-167;
Matches 320; Conservative 11; Mismatches 28; Indels 15; Gaps 2;
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Qy      1 MDPLGPAKPQSWRCCLTTLLFQLLMAVCFFSYLRVSQDDP-----TVYPN 46
        ||||| || || |||||:|||||||:| | ||
Db      1 MDPLGPAKPQLWRRCLAGLLFQLLVAVCFFSYLRVSRDDATGSPRPGLMAVEPVTGAPN 60

Qy      47 GSRFPDSTGTPAHSIPLILLWTWPFNKPIALPRCSEMVPGTADCNITADRKVYPQADAVI 106
        ||| || ||| ||||| ||||| |:||||| ||||| ||||| |||||
Db      61 GSRCQDSMATPAHPTLLILLWTWPFNTPVALPRCSEMVPGAADCNITADSSVYPQADAVI 120

Qy      107 VHHREVMYNPSAQLPRSPRRQGQRWIWFSMESPSHCWQLKAMDGYFNLTMSYRSDSDIFT 166
        ||| ::||| || | ||||| |||||:| |:|:||||| |||||
Db      121 VHHWDIMYNPSANLPPTRPQGQRWIWFSMESPSNCRHLEALDGYFNLTMSYRSDSDIFT 180

Qy      167 PYGWLEPWSGQPAHPPLNLSAKTELVAWAVSNWGPNSARVRYYQSLQAHLKVDVYGRSHK 226
        ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db      181 PYGWLEPWSGQPAHPPLNLSAKTELVAWAVSNWKPDSARVRYYQSLQAHLKVDVYGRSHK 240

Qy      227 PLPQGTMMETLSRYKFYLAFENSLHPDYITEKLWRNALEAWAVPVVLGPSRSNYERFLPP 286
        |||:||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db      241 PLPKGTTMMETLSRYKFYLAFENSLHPDYITEKLWRNALEAWAVPVVLGPSRSNYERFLPP 300

Qy      287 DAFIHVDDFQSPKDLARYLQELDKDHARYLSYFRWRETLP RSFSWALAFCKACWKLQEE 346
        ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db      301 DAFIHVDDFQSPKDLARYLQELDKDHARYLSYFRWRETLP RSFSWALAFCKACWKLQEE 360

Qy      347 SRYQT-RGIAAWFT 359
        |||| | ||||
Db      361 SRYQTVRSIAAWFT 374
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RESULT 13

US-08-393-246-11

; Sequence 11, Application US/08393246

; Patent No. 5595900

; GENERAL INFORMATION:

; APPLICANT: LOWE, JOHN B.

; TITLE OF INVENTION: METHODS AND PRODUCTS FOR THE SYNTHESIS

; TITLE OF INVENTION: OF OLIGOSACCHARIDE STRUCTURES ON GLYCOPROTEINS,

; TITLE OF INVENTION: GLYCOLIPIDS, OR AS FREE MOLECULES, AND FOR THE ISOLATION

; TITLE OF INVENTION: OF CLONED GENETIC SEQUENCES THAT DETERMINE THESE STRUCTU

; NUMBER OF SEQUENCES: 14

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT,

; ADDRESSEE: P.C.

; STREET: 1755 Jefferson Davis Highway, Fourth Floor

; CITY: Arlington

; STATE: Virginia

```

;   COUNTRY:   U.S.A.
;   ZIP:       22202
;   COMPUTER READABLE FORM:
;   MEDIUM TYPE:   Floppy disk
;   COMPUTER:   IBM PC compatible
;   OPERATING SYSTEM:   PC-DOS/MS-DOS
;   SOFTWARE:   PatentIn Release #1.0, Version #1.25
;   CURRENT APPLICATION DATA:
;   APPLICATION NUMBER:   US/08/393,246
;   FILING DATE:
;   CLASSIFICATION:   530
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER:   US 08/220,433
;   FILING DATE:   30-MAR-1994
;   APPLICATION NUMBER:   US 07/914,281
;   FILING DATE:   20-JUL-1992
;   ATTORNEY/AGENT INFORMATION:
;   NAME:   Lavalleye, Jean-Paul M. P.
;   REGISTRATION NUMBER:   31,451
;   REFERENCE/DOCKET NUMBER:   2363-060-55
;   TELECOMMUNICATION INFORMATION:
;   TELEPHONE:   (703)521-4500
;   TELEFAX:   (703)486-2347
;   TELEX:   248855 OPAT UR
;   INFORMATION FOR SEQ ID NO:   11:
;   SEQUENCE CHARACTERISTICS:
;   LENGTH:   374 amino acids
;   TYPE:   amino acid
;   TOPOLOGY:   unknown
;   MOLECULE TYPE:   protein
US-08-393-246-11

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Query Match          86.8%; Score 1734.5; DB 1; Length 374;
Best Local Similarity 85.6%; Pred. No. 3.1e-167;
Matches 320; Conservative 11; Mismatches 28; Indels 15; Gaps 2;

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Qy      1 MDPLGPAKPQWSWRCCLTTLFQLLMAVCFFSYLRVSQDDP-----TVYPN 46
        |||||  ||  ||  |||||:|||||:|  |  ||
Db      1 MDPLGPAKPQWLWRRCLAGLLFQLLVAVCFFSYLRVSRDDATGSPRPGLMAVEPVTGAPN 60

Qy      47 GSRFPDSTGTPAHSIPLILLWTWPFNKPIALPRCSEMVPGTADCNITADRKVYPQADAVI 106
        |||  ||  ||||  |||||  |:|||||  |||||  |||||
Db      61 GSRCQDSMATPAHPTLLILLWTWPFNTPVALPRCSEMVPGAADCNITADSSVYPQADAVI 120

Qy      107 VHHREVMYNPSAQLPRSPRRQGQRWIWFSMESPSHCWQLKAMDGYFNLTMSYRSDSDIFT 166
        |||  ::|||  ||  |  |||||  |||||:|  |:|:|||||  |||||
Db      121 VHHWDIMYNPSANLPPPTRPQGQRWIWFSMESPSNCRHLEALDGYFNLTMSYRSDSDIFT 180

Qy      167 PYGWLEPWSGQPAHPPLNLSAKTELVAWAVSNWGPNSARVRYQSLQAHLKVDVYGRSHK 226
        |||||  |||||  |||||  |||||  |:|||||  |||||
Db      181 PYGWLEPWSGQPAHPPLNLSAKTELVAWAVSNWKPDSARVRYQSLQAHLKVDVYGRSHK 240

Qy      227 PLPQGTMMETLSRYKFYLAFENSLHPDYITEKLWRNALEAWAVPVVLGSPRSNYERFLPP 286
        |||:|||||  |||||  |||||  |||||  |||||  |||||
Db      241 PLPKGTTMMETLSRYKFYLAFENSLHPDYITEKLWRNALEAWAVPVVLGSPRSNYERFLPP 300

Qy      287 DAFIHVDDFQSPKDLARYLQELDKDHARYLSYFRWRETLPFRSFWALAFCKACWKLQEE 346
        |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||
Db      301 DAFIHVDDFQSPKDLARYLQELDKDHARYLSYFRWRETLPFRSFWALAFCKACWKLQQE 360

Qy      347 SRYQT-RGIAAWFT 359

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Db 361 SRYQTVRSIAAWFT 374
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RESULT 14

US-08-525-058A-11

; Sequence 11, Application US/08525058A

; Patent No. 5770420

; GENERAL INFORMATION:

; APPLICANT: LOWE, JOHN B.

; TITLE OF INVENTION: METHODS AND PRODUCTS FOR THE SYNTHESIS

; TITLE OF INVENTION: OF OLIGOSACCHARIDE STRUCTURES ON GLYCOPROTEINS,

; TITLE OF INVENTION: GLYCOLIPIDS, OR AS FREE MOLECULES, AND FOR THE ISOLATION

; TITLE OF INVENTION: OF CLONED GENETIC SEQUENCES THAT DETERMINE THESE STRUCTURES

; NUMBER OF SEQUENCES: 23

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.

; STREET: 1755 Jefferson Davis Highway, Fourth Floor

; CITY: Arlington

; STATE: Virginia

; COUNTRY: U.S.A.

; ZIP: 22202

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/525,058A

; FILING DATE:

; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:

; NAME: Lavalleye, Jean-Paul M. P.

; REGISTRATION NUMBER: 31,451

; REFERENCE/DOCKET NUMBER: 2363-060-55

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (703)521-4500

; TELEFAX: (703)486-2347

; TELEX: 248855 OPAT UR

; INFORMATION FOR SEQ ID NO: 11:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 374 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-08-525-058A-11

Query Match 86.8%; Score 1734.5; DB 1; Length 374;

Best Local Similarity 85.6%; Pred. No. 3.1e-167;

Matches 320; Conservative 11; Mismatches 28; Indels 15; Gaps 2;

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 Db 61 GSRCQDSMATPAHPTLLILLWTWPFNTPVALPRCSEMVPGAADCNITADSSVYPQADAVI 120

 Qy 107 VHHREVMYNPSAQLPRSPRRQGQRWIWFSMESPSHCWQLKAMDGYFNLTMSYRSDSDIFT 166
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Db      361 SRYQTVRSIAAWFT 374

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RESULT 15

US-08-696-731-11

; Sequence 11, Application US/08696731

; Patent No. 5955347

; GENERAL INFORMATION:

; APPLICANT: LOWE, JOHN B.

; TITLE OF INVENTION: METHODS AND PRODUCTS FOR THE SYNTHESIS

; TITLE OF INVENTION: OF OLIGOSACCHARIDE STRUCTURES ON GLYCOPROTEINS,

; TITLE OF INVENTION: GLYCOLIPIDS, OR AS FREE MOLECULES, AND FOR THE ISOLATION

; TITLE OF INVENTION: OF CLONED GENETIC SEQUENCES THAT DETERMINE THESE STRUCTU

; NUMBER OF SEQUENCES: 14

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT,

; ADDRESSEE: P.C.

; STREET: 1755 Jefferson Davis Highway, Fourth Floor

; CITY: Arlington

; STATE: Virginia

; COUNTRY: U.S.A.

; ZIP: 22202

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/696,731

; FILING DATE: 14-AUG-1996

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/393,246

; FILING DATE:

; APPLICATION NUMBER: US 08/220,433

; FILING DATE: 30-MAR-1994

; APPLICATION NUMBER: US 07/914,281

; FILING DATE: 20-JUL-1992

; ATTORNEY/AGENT INFORMATION:

; NAME: Lavalleye, Jean-Paul M. P.

; REGISTRATION NUMBER: 31,451

; REFERENCE/DOCKET NUMBER: 2363-060-55

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (703)521-4500

; TELEFAX: (703)486-2347

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;      TELEX:  248855 OPAT UR
;  INFORMATION FOR SEQ ID NO:  11:
;      SEQUENCE CHARACTERISTICS:
;      LENGTH:  374 amino acids
;      TYPE:    amino acid
;      TOPOLOGY: unknown
;      MOLECULE TYPE:  protein
US-08-696-731-11
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Query Match          86.8%;  Score 1734.5;  DB 1;  Length 374;
Best Local Similarity 85.6%;  Pred. No. 3.1e-167;
Matches 320;  Conservative 11;  Mismatches 28;  Indels 15;  Gaps 2;
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Db    301 DAFIHVDDFQSPKDLARYLQELDKDHARYLSYFRWRETLRPRSFSWALAFCKACWKLQQE 360

Qy    347 SRYQT-RGIAAWFT 359
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Db    361 SRYQTVRSIAAWFT 374
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Job time : 66.5521 secs
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SCORE 3.0